

IN THE CLAIMS:

Please amend claims 2, 3, 6, 14, 24-27, and 32-38 and cancel claims 1, 4, 5, 21, 23, 28, 29, 30, and 31, without prejudice or disclaimer, as follows.

1. (Cancelled)

2. (Currently Amended) ~~The A method of claim 1, further comprising:~~
maintaining in a mobile communication system subscriber's location information;
receiving a message from subscriber's user equipment, said message indicating
that an address of a certificate provisioning gateway for certificate issuance and delivery
procedure in a visited network is requested by the subscriber's user equipment, the
certificate provisioning gateway serving at least one certificate authority. receiving in the
message from subscriber's user equipment further comprising the address of the
certificate provisioning gateway;

determining, in response to receiving the message, on the basis of the subscriber's
location information, an address of the certificate provisioning gateway;

checking whether or not the address ~~which in the message indicated~~ corresponds
to the address determined on the basis of the location information; and

if they do not correspond to each other, using the address determined on the basis
of the location information.

3. (Currently Amended) ~~The~~ A method of claim 1, further comprising:
maintaining in a mobile communication system subscriber's location information;
receiving a message from subscriber's user equipment, receiving further in the
message comprising subscriber's location information and indicating that an address of a
certificate provisioning gateway for certificate issuance and delivery procedure in a
visited network is requested by the subscriber's user equipment, the certificate
provisioning gateway serving at least one certificate authority;

checking, in response to receiving the message, whether or not the location
information in the message corresponds to the location information maintained in the
system; and

using the maintained location information for determining the address of the
certificate provisioning gateway if it the maintained location information does not
correspond to the location information in the message.

4. (Cancelled)

5. (Cancelled)

6. (Currently Amended) ~~A~~ The method of claim 24, further comprising:
authenticating the subscriber; and

transmitting during the subscriber authentication to the user equipment at least part of the information required for obtaining a certificate from a certificate issuance service in another network than a home network in a mobile communication system after the subscriber authentication, the part of the information including at least one from a group comprising an address of a ~~a~~the certificate provisioning gateway via which the certificate issuance service is provided in the other network, the certificate provisioning gateway serving at least one certificate authority, a public key required for the certificate issuance service in the other network, and an indication of the protocol required for the certificate issuance service in the other network.

7. (Previously Presented) The method of claim 6, further comprising:
performing the authentication as an application level authentication.

8. (Previously Presented) The method of claim 6, further comprising:
utilizing said part of the information during a certificate issuance procedure after the authentication in a visited network by the user equipment.

9. (Previously Presented) The method of claim 6, further comprising:
transmitting in said part of the information location network specific information.

10-12. (Cancelled)

13. (Previously Presented) The method of claim 6, further comprising, when said part of the information includes at least the address of the certificate provisioning gateway via which the certificate issuance service is provided, transmitting from the user equipment a certificate request to the certificate provisioning gateway.

14. (Currently Amended) ~~A~~ The method of claim 26, further comprising:
authenticating a the subscriber;
~~receiving, from subscriber's user equipment, a message relating to a certificate issuance service in another network than a home network in a mobile communication system; and~~

transmitting, in response to the message, to the user equipment in a reply message at least part of information required for obtaining a certificate from the certificate issuance service in the other network, the part of the information including at least one from a group comprising an address of a certificate provisioning gateway via which the certificate issuance service is provided in the other network, the certificate provisioning gateway serving at least one certificate authority, a public key required for the certificate issuance service in the other network, and an indication of the protocol required for the certificate issuance service in the other network.

15. (Previously Presented) The method of claim 14, further comprising:

transmitting the message and the reply message in an integrity protected channel.

16. (Cancelled)

17. (Previously Presented) The method of claim 14, further comprising, when said part of the information includes at least the address of the certificate provisioning gateway via which the certificate issuance service is provided, transmitting from the user equipment a certificate request to the certificate provisioning gateway.

18-20. (Cancelled)

21. (Cancelled)

22. (Cancelled)

23. (Cancelled)

24. (Currently Amended) ~~The A method of claim 1, further comprising:~~
maintaining in a mobile communication system subscriber's location information;
receiving a message from subscriber's user equipment, configuring the message to
comprise comprising subscriber's location information and indicating that an address of a

certificate provisioning gateway for certificate issuance and delivery procedure in a visited network is requested by the subscriber's user equipment, the certificate provisioning gateway serving at least one certificate authority;

checking, in response to receiving the message, whether or not the location information in the message corresponds to the location information maintained in the system;

if the maintained location information corresponds to the location information in the message, determining on the basis of the subscriber's location information the address of the certificate provisioning gateway; and

if the maintained location information ~~it~~ does not correspond to the location information in the message, sending an error indication by using the maintained location information.

25. (Currently Amended) ~~The A method of claim 1, further comprising:~~

maintaining in a mobile communication system subscriber's location information;

receiving a message from subscriber's user equipment, configuring the message to comprise comprising subscriber's location information and indicating that an address of a certificate provisioning gateway for certificate issuance and delivery procedure in a visited network is requested by the subscriber's user equipment, the certificate provisioning gateway serving at least one certificate authority;

checking, in response to receiving the message, whether or not the location information in the message corresponds to the location information maintained in the system;

determining, on the basis of the subscriber's location information the address of the certificate provisioning gateway; if the location information in the message corresponds to the maintained location information; and

using the location information in the message if the location information in the message ~~it~~ does not correspond to the maintained location information.

26. (Currently Amended) ~~The~~ A ~~method of claim 1, further comprising:~~
maintaining in a mobile communication system subscriber's location information;
receiving a message from subscriber's user equipment ~~configuring the message to~~
~~comprise~~ comprising subscriber's location information and indicating that an address of a
certificate provisioning gateway for certificate issuance and delivery procedure in a
visited network is requested by the subscriber's user equipment, the certificate
provisioning gateway serving at least one certificate authority;

checking-, in response to receiving the message, whether or not the location information in the message corresponds to the location information maintained in the system;

if the location information in the message corresponds to the maintained location information, determining on the basis of the subscriber's location information the address of the certificate provisioning gateway; and

if the location information in the message ~~it~~ does not correspond to the maintained location information, sending an error indication by using the location information in the message.

27. (Currently Amended) ~~A~~ The method of claim 25, comprising:

authenticating ~~a~~ the subscriber; and

transmitting after the authentication via an authenticated channel to subscriber's user equipment at least part of information required for a certificate issuance service in another network than a home network of the subscriber, said at least part of the information comprising ~~containing~~ information required for obtaining a certificate from the certificate issuance service in the other network.

28. (Cancelled)

29. (Cancelled)

30. (Cancelled)

31. (Cancelled)

32. (Currently Amended) ~~A~~ The certificate provisioning gateway of claim 28,
configured: to serve a certificate authority in a mobile communication system; to
determine, in response to receiving from subscriber's user equipment a message
indicating a request for an address of another certificate provisioning gateway for
certificate issuance and delivery procedure, the message further comprising an address of
the other certificate provisioning gateway, wherein the certificate provisioning gateway is
configured, in response to receiving in the message further an address of the other a
certificate provisioning gateway on the basis of subscriber's location information
maintained in and obtained from the mobile communication system, to check whether or
not the address which in the message indicated corresponds to the address determined on
the basis of the location information; and if they do not correspond to each other, to select
use the address determined on the basis of the location information.

33. (Currently Amended) ~~The~~ A certificate provisioning gateway of claim 28,
~~wherein the certificate provisioning gateway is configured:~~ to serve a certificate authority
in a mobile communication system; to check, in response to receiving from subscriber's
user equipment a in the message comprising subscriber's location information and
indicating a request for an address of another certificate provisioning gateway for
certificate issuance and delivery procedure in a visited network, to check whether or not

the location information in the message corresponds to ~~the subscriber's~~ location information maintained in and obtained from the system; and to use the maintained location information for determining the address of the other certificate provisioning gateway if ~~it the maintained location information~~ does not correspond to the location information in the message.

34. (Currently Amended) ~~The~~ A certificate provisioning gateway ~~of claim 28,~~ wherein ~~the certificate provisioning gateway is configured: to serve a certificate authority in a mobile communication system; to check, in response to receiving it from subscriber's user equipment the a message comprising subscriber's location information and indicating that an address of another certificate provisioning gateway for certificate issuance and delivery procedure in a visited network is requested, to check whether or not the location information in the message corresponds to the subscriber's location information maintained in and obtained from the system; if the location information in the message corresponds to the maintained location information, to determine an address of the other certificate provisioning gateway on the basis of the subscriber's location information; and if it the maintained location information~~ does not correspond to the location information in the message, to send an error indication by using the maintained location information.

35. (Currently Amended) ~~The A~~ certificate provisioning gateway ~~of claim 28,~~
~~wherein the certificate provisioning gateway is configured;~~ to serve a certificate authority
in a mobile communication system; to check, in response to receiving from subscriber's
user equipment a in the message comprising subscriber's location information and
indicating a request for an address of another certificate provisioning gateway for
certificate issuance and delivery procedure in a visited network, ~~to check whether or not~~
the location information in the message corresponds to the location information
maintained in the system; and to use the location information in the message for
determining the address of the other certificate provisioning gateway if it the location
information does not correspond to the maintained location information.

36. (Currently Amended) ~~The A~~ certificate provisioning gateway ~~of claim 28,~~
~~wherein the certificate provisioning gateway is configured;~~ to serve a certificate
authority in a mobile communication system; to check, in response to receiving from
subscriber's user equipment a in the message comprising subscriber's location
information and indicating a request for an address of another certificate provisioning
gateway for certificate issuance and delivery procedure in a visited network,, ~~to check~~
whether or not the location information in the message corresponds to ~~the~~ subscriber's
location information maintained in and obtained from the system; to determine on the
basis of the subscriber's location information the address of the other certificate
provisioning gateway, if the location information in the message corresponds to the

maintained location information; and if ~~it~~ the location information does not correspond to the maintained location information, to send an error indication by using the location information in the message.

37. (Currently Amended) The method as claimed in claim ~~1~~2, wherein a certificate authority is a trusted third party.

38. (Currently Amended) The method as claimed in claim ~~1~~2, wherein a certificate authority is a trusted third party and does not include an authorization, authentication and accounting server.